

# COMMUNICATE CONFIDENTIALLY

## PROTECTORIA : INSTANT E-MAIL PROTECTION

**While ordinary e-mails are open and unprotected, the Internet-based messaging service Protectoria enables you to send e-mails with confidential content in a secure and easy manner, thereby inducing trust and allowing your company to strengthen its credibility, brand, and overall image.**

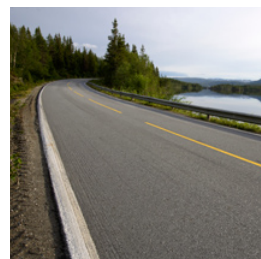
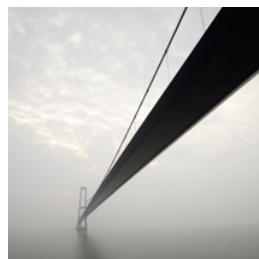
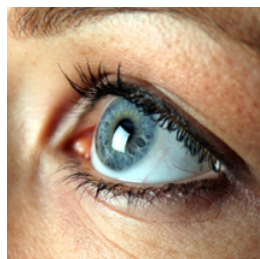
Earlier, companies chose to send confidential and sensitive information by post, fax or couriers. Today, however, these means of communication are considered too slow and too expensive, making e-mail the number one choice. Unfortunately, in being open and unprotected, ordinary e-mails are very susceptible to information leakage.

Misspelling a recipient's address is merely one of the risks introduced by the e-mail concept. Each time an ordinary e-mail is sent, it is transmitted over the Internet before it finally reaches the chosen recipient. On its way, the e-mail passes through a number of servers and network components that pose a security risk to the message and its content.

Protectoria is a secure e-mail service for individuals and organizations of any size, regardless of IT infrastructure. With Protectoria, you can choose to protect any e-mail without any prior software installation or registration required by the receiving party. The service protects your messages using strong encryption and authentication in an easy and hassle free way. The service does not require any investments in software or hardware, and is available immediately following registration.

## PROTECTORIA : KEY BENEFITS

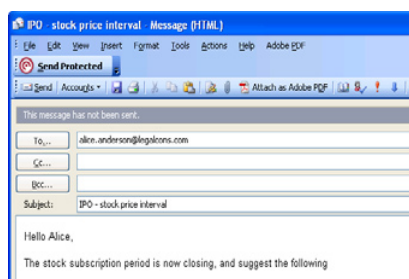
- > PROTECT YOUR E-MAIL** Protectoria secures your e-mail communications using strong encryption and two-factor authentication. Recipients of your messages need a PIN code to open your message; the PIN code is automatically distributed to the recipient per SMS and each PIN code can only be used once.
- > SEND REGISTERED E-MAIL MESSAGES** You may request read/not read notifications per e-mail and/or SMS, keeping you informed about who opened the message and when – and who did not.
- > TRACK YOUR MESSAGES** You may request a report showing detailed tracking information of the message. This can be saved, printed or forwarded to third parties as a confirmation that correspondence has taken place.
- > SCHEDULE THE DELIVERY OF YOUR E-MAILS** You can choose the earliest date and time on which the message should be delivered, ensuring that none of your recipients can open the message before you want them to.
- > ASSIGN A REFERENCE CODE TO MESSAGES** You may enter a code for the messages you send as a way to categorize messages. This enables you to track the cost of multiple messages for a specific purpose, such as a customer, a project or a subject.
- > USE YOUR NORMAL E-MAIL PROGRAM OR PROTECTORIA WEBMAIL** The Protectoria Plug-in enables you to send protected messages using your normal e-mail program, while Protectoria Webmail enables you to send protected messages from anywhere on the Internet.
- > PAY AS YOU GO** You decide which messages that require protection and which messages that do not. There are no recurring fees for the service, you only pay for the messages you send.
- > ADD AS MANY USERS AS YOU WANT, AT NO ADDITIONAL COST** You can enroll as many users as you want to your account, enabling you to add permanent or temporary users from your organization or project as you need them.



## PROTECTORIA : TECHNICAL DETAILS

### > THE EASY WAY TO PROTECT YOUR E-MAILS

Protectoria does not require any investments in software or hardware. The service can be used by individuals and organizations of any size, regardless of IT infrastructure. You can choose to send and receive messages using your normal e-mail program (such as Microsoft Outlook), or Protectoria's web-based program. Your existing e-mail address is used.



There are virtually no start-up costs with the service, and you only pay for the messages you choose to send through Protectoria. As soon as you have registered for the service, you can add as many users in your organization as you want, at no additional cost. You can start protecting your e-mail communications immediately after registration.

### > NO RECIPIENT INSTALLATIONS OR DOWNLOADS

The recipients of your protected messages are neither required to register for the service nor to download any software. This enables instant, ad-hoc, fully protected communication to any party at any time.

### > HOW PROTECTORIA OFFERS SECURITY

When using Protectoria, recipients can only read your messages through the use of a PIN code sent to their mobile phone. The PIN code is sent once the recipients click on a link in a notification message sent to their e-mail address. This allows you to dramatically reduce the risk of leaking sensitive information.

### > STAYING INFORMED ABOUT YOUR MESSAGES

Detailed message reports regarding the messages you have sent can be requested at any time. The reports confirm the correspondence that has taken place and may be printed or saved. You may also request read/not read notifications per e-mail and/or SMS.

### > ENCRYPTED AND AUTHENTICATED COMMUNICATIONS

Using Protectoria, communications are encrypted according to international standards:

- All communications to/from sending/receiving systems encrypted and authenticated using TLS or SSL protocols or Protectoria's two-factor authentication.
- RSA 1024 is used as public key encryption algorithm.
- AES/RC4 128 is used as symmetrical key encryption algorithm.
- SHA-1 is used as secure digital signature.

There is no management of digital certificates or public keys involved, which in turn keeps administrative tasks at a minimum.

### > AUTHORIZED PERSONNEL ONLY

All Protectoria technical operations personnel have passed extensive background checks and are authorized to operate military classified systems. Authorizations are granted by the Norwegian National Security Authority.



Bob's company subscribes to Protectoria, Alice's does not.

### > PROTECTORIA WORKS TODAY:

1. Bob sends a protected message to Alice. The message is transmitted securely to Protectoria.
2. Alice receives an e-mail notification including a link that points to the message.
3. The recipient clicks the link and receives a PIN code on her mobile phone.
4. Alice enters the PIN code and opens the protected message (and downloads it to her inbox if she wants to).

Visit [www.protectoria.com](http://www.protectoria.com) or contact us:

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